

**Division of Water**  
**Human Health Criteria (HHC) Technical Workgroup General Agenda**  
**12-10-2015**

Purpose of Technical Workgroup: DEC is convening a technical workgroup to provide technical feedback on issues associated with the development of human health criteria (HHC) in state water quality standards.

Outcomes:

1. A *draft* Technical Workgroup report identifying key issues, sources of information, and potential options for DEC to consider; and
2. Additional understanding of the complexity of the issue and potential effects on the regulatory process.

Date	Meeting or Teleconference	Agenda
August 20	Meeting/Teleconference	<p><b>HHC 101: Role and Formula (DEC Staff)</b></p> <ul style="list-style-type: none"> <li>○ EPA 2015 Recommended National Criteria</li> <li>○ What is going on in other states interested in this issue?</li> </ul> <p><b>Issue 1: What information about fish consumption and fish consumption rate is available to inform HHC process? (DEC Staff)</b></p> <ul style="list-style-type: none"> <li>○ What do we know from the Literature Review?</li> <li>○ What did the reviewers tell us?</li> <li>○ What role should the state play in helping to develop Alaska specific data? <ul style="list-style-type: none"> <li>▪ Should the state take a prescriptive approach and establish accepted dietary survey protocols for tribes and parties seeking site-specific criteria?</li> <li>▪ Food Frequency Questionnaires v. Recall Method</li> </ul> </li> <li>○ Can we extrapolate FCR data from ADF&amp;G harvest data?* <ul style="list-style-type: none"> <li>▪ Review <i>Wolfe and Utermohle</i> (2000)</li> </ul> </li> </ul>
Sept 30	Teleconference/Webinar	<p><b>Issue 3: What is the appropriate Level of Protection for Alaska to consider?</b></p> <ul style="list-style-type: none"> <li>○ FCR: Consumers v. consumers and non-consumers</li> <li>○ FCR: General v. high exposed population</li> <li>○ Other Exposure Factors (DWI, BW, Relative Source Contribution)</li> <li>○ Approaches used by other states</li> </ul>
Oct 30	Meeting Note that this meeting will take place immediately following the Public Workshop in Anchorage	<p><b>Issue 4a: What should Alaska include when deriving a Fish Consumption Rate?</b></p> <ul style="list-style-type: none"> <li>○ Sources of fish and shellfish</li> <li>○ Local v. commercial</li> <li>○ Role of salmon- what OR/WA/ID did and didn't do</li> <li>○ Role of marine mammals- <i>May be tabled for a later discussion</i></li> <li>○ Approach(es) used by other states</li> </ul>

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Dec 15	Teleconference/Webinar	<b>Review of General Agenda for workgroup process</b> <b>Review of Draft Workgroup Report outline</b> <ul style="list-style-type: none"> <li>○ Discuss draft recommendations for Issues 1 and 3</li> </ul> <b>HHC Calculator Tool</b> <b>Recap Issue 4a (part one) –What should Alaska include when deriving a Fish Consumption Rate?</b> <ul style="list-style-type: none"> <li>○ Discuss draft recommendations for Issue 4a</li> <li>○ Local v. commercial</li> <li>○ Salmon</li> <li>○ Other marine fish and mammals</li> </ul>
January	Teleconference/Webinar	<b>Issue 4b: What is the role of Relative Source Contribution (RSC) and what are Alaska’s options?</b> <ul style="list-style-type: none"> <li>○ Description of RSC</li> <li>○ Approaches used by other states</li> <li>○ Opportunities for DEC to consider</li> </ul>
February	Teleconference/Webinar	<b>Issue 2: What options does Alaska have for developing criteria on a statewide/regional/site-specific basis</b> <ul style="list-style-type: none"> <li>○ pros/cons</li> <li>○ Sources of information</li> <li>○ Potential issues for DEC to explore further</li> <li>○ Does ADF&amp;G harvest data demonstrate regional trends in FCRs?</li> </ul>
March	Teleconference/Webinar	<b>Issue 2a: Modeling of the Criteria</b> <ul style="list-style-type: none"> <li>○ Deterministic v. Probabilistic (Arcadis Presentation?)</li> <li>○ The Florida/Idaho example (FL DEQ)</li> </ul>
April	Teleconference/Webinar	<b>Issue 3 (revisit): What is the appropriate Level of Protection for Alaska to consider?</b> <ul style="list-style-type: none"> <li>○ Bioconcentration v. Bioaccumulation- how does it factor into the HHC process and what flexibility does that process have? <ul style="list-style-type: none"> <li>▪ Idaho approach (maybe Washington if they have something)</li> </ul> </li> <li>○ Carcinogenic Risk Factor <ul style="list-style-type: none"> <li>▪ Controversy in Washington</li> <li>▪ DEC regulations – 18 AAC 70, 18 AAC 75</li> </ul> </li> </ul>
May	Meeting or Teleconference/Webinar?	<b>Issue 5: What are Alaska’s options for implementing the proposed criteria?</b>

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		<ul style="list-style-type: none"> <li>○ General Implementation               <ul style="list-style-type: none"> <li>▪ Compliance Schedules</li> <li>▪ Intake Credits</li> <li>▪ Variances</li> <li>▪ Other: SSC/Designated Use revision (Subsistence fishing)</li> </ul> </li> <li>○ Problematic Discharges*               <ul style="list-style-type: none"> <li>▪ Arsenic</li> <li>▪ PCBs</li> <li>▪ Mercury</li> <li>▪ Other....</li> </ul> </li> <li>○ Detection Limit issues- set criterion at MDL or...</li> <li>○ Toxics in the larger context</li> <li>○ Washington example</li> </ul>
<b>June</b>	Teleconference/Webinar	<b>First Draft Workgroup Report</b>
<b>July</b>	Teleconference/Webinar	<b>Draft Final Workgroup Report</b>

\*May required additional discussion and representation from other programs